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TITLE: Methods for detecting mutations associated with hypertrophic cardiomyopathy

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INVENTOR-INFORMATION:

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CLAIMS:

We claim:

1. A method for diagnosing hypertrophic cardiomyopathy comprising:

obtaining a sample of at least two sarcomeric proteins from a subject being tested for hypertrophic cardiomyopathy; and

diagnosing the subject for hypertrophic cardiomyopathy by detecting an abnormality in the at least two sarcomeric proteins as an indication of the disease.

2. The method of claim 1 wherein the hypertrophic cardiomyopathy is familial hypertrophic cardiomyopathy.

3. The method of claim 1 wherein the hypertrophic cardiomyopathy is secondary hypertrophic cardiomyopathy.

4. The method of claim 1 wherein the at least two proteins are selected from the group consisting of .alpha.-tropomyosin, cardiac troponin T, and .beta.-cardiac myosin heavy chain.

5. A method for diagnosing hypertrophic cardiomyopathy comprising:

obtaining a sample of at least two sarcomeric proteins from a subject being tested for hypertrophic cardiomyopathy, wherein said sarcomeric proteins are selected from the group consisting of .alpha.tropomyosin, cardiac troponin T, and .beta.-cardiac myosin heavy chain; and

diagnosing the subject for hypertrophic cardiomyopathy by detecting an abnormality in the at least two sarcomeric proteins as an indication of the disease.

6. The method of claim 5 wherein the hypertrophic cardiomyopathy is familial hypertrophic cardiomyopathy.

7. The method of claim 5 wherein the hypertrophic cardiomyopathy is secondary hypertrophic cardiomyopathy.

WEST Search History

DATE: Wednesday, May 15, 2002

Set Name side by side	Query	Hit Count	Set Name result set
	DB=USPT; PLUR=YES; OP=ADJ		
L3	L1 same (mutation or polymorphism)	23	L3
L2	L1 same (primer or probe)	24	L2
L1	myosin adj heavy adj chain or (cardiac adj MHC)	259	L1

END OF SEARCH HISTORY